

**Autumnwood ESH Consultants, LLC**

6539 Autumnwood Court I
Mount Pleasant, Wisconsin 53403
Phone: 262.237.1130

4 June 2014

Mr. John Nordine
U.S. EPA Region 5
RCRA Enforcement and Compliance Assurance Branch (LU-9J)
77 West Jackson Boulevard
Chicago, Illinois 60604

Re: Central Wire, Union, Illinois Monthly Progress Report for May 2014

Dear Mr. Nordine:

Enclosed please find the revised Monthly Progress Report for the Central Wire facility located in Union, Illinois for the month of May 2014.

The eDMR for the groundwater pump and treat facility and the laboratory analytical report, which includes the effluent data used in the eDMR, is also included in this report. In addition the revised NPDES discharge permit was issued by the Illinois EPA on April 8, 2014 and the DMR report has been changed by IEPA to list the correct chemical names.

If you have any comments or questions regarding the progress of this project, please do not hesitate to call me at (262) 237-1130.

Sincerely,
Autumnwood ESH Consultants, LLC

John W. Thorsen, P.E.

JWT:jt

encl

cc:	Joyce Munie	IEPA
	Robert Kay	USGS
	Gerald W. Ruopp	Central Wire
	Ton Hanewald	Central Wire
	Robert Johnson	Central Wire
	Henry Lopes	Central Wire

**MONTHLY PROGRESS REPORT
Central Wire Union, Illinois Site
May 2014**

1. **Progress Made This Reporting Period** – This reporting period Central Wire continued the operation and maintenance of the groundwater extraction and treatment system. Central Wire treated an average of 550,000 gallons per day with a maximum daily flow of 550,000 gallons per day and met effluent limitations for pH; 1,1,1-Trichloroethane (TCA), Trichloroethene (TCE) and Tetrachloroethene (PCE). The electronic Discharge Monitoring Report (eDMR) for May 2014 is attached to this report.

The laboratory analytical report noted that the samples arrived at the lab on May 15, 2014 at 7.6° C so Central Wire is going to use a larger cooler to add more ice in the future.

The Illinois Environmental Protection Agency (IEPA) has modified the eDMR so that Central Wire is now reporting the correct chemicals on the eDMR.

The Ex. 6 Personal Privacy (PP) wells were run for a total of 73 hours from April 30 to June 2, 2014 with the Ex. 6 Personal Privacy (PP) well pumped for 59 hours and the Ex. 6 Personal Privacy (PP) wells pumped for 14 hours.

Summary of 2014 Irrigation Hours at Ex. 6 Personal Privacy (PP) April 30 to June 2, 2014

Date of Hour Meter Reading	Ex. 6 Personal Privacy (PP)			
	Hour Meter Reading	Hours Pumped	Hour Meter Reading	Hours Pumped
4/30/2014	5127	0	3013	0
5/12/2014	5160	33	3017	4
5/19/2014	5160	0	3018	1
5/27/2014	5180	20	3022	4
6/2/2014	5186	6	3027	5
Totals		59		14

The groundwater level monitoring data from downgradient monitoring well DGW-2I continues to be collected. The table of recorded groundwater levels between April 30 and June 2, 2014 in monitoring well DGW-2I is attached to this report. Water levels ranged from a low on May 9, 2014 of 816.135 feet above mean sea level to the high on May 29, 2014 of 818.818 feet, a range of 1.317 feet. The graphs showing the variation in water elevations over time vs. precipitation and vs hours of irrigation wells pumped per week is embedded in this table and attached to this report.

Central Wire has located a web site that has the in daily precipitation information at Marengo, Illinois, the NOAA weather station closest to monitoring well DGW-2I. It is not printer friendly. The location is [[HYPERLINK "http://www.nws.noaa.gov/climate/xmacis.php?wfo=lot"](http://www.nws.noaa.gov/climate/xmacis.php?wfo=lot)]. One must then select

“Marengo” in step 1, “Daily data for a month” in Step 2, the month in Step 3, and then “Go”.

2. **Summary of Validated Data and Results** – The monthly effluent sampling took place on May 14, 2014. The permit limitations and analytical results are shown below.

Central Wire Union Illinois Pump & Treat Discharge Analytical Results

Parameter	Effluent Limitation (Daily Maximum, ug/L)	May 2014 Analytical Results, ug/L
1,1,1-Trichloroethane	20	1.1
Trichloroethene	20	1.1
Tetrachloroethene	20	0.96 J

J = Result was less than the reporting limit but greater than or equal to the method detection limit.

The May analytical report is attached to this Monthly Progress Report.

3. **Upcoming Events/Activities Planned** – The existing remediation systems will continue to operate as planned.

The semiannual RCRA groundwater monitoring well and residential well sampling event is scheduled to take place on June 9 & 10, 2014. In addition EPA has requested that Central Wire again determine the location of the leading edge of the chlorinated groundwater plume. This will be done in October 2014. EPA has also requested that Central Wire coordinate the fall semiannual sampling event at the same time as conducting the geoprobe sampling to locate the leading edge of the chlorinated plume.

4. **Anticipated Problem Areas and Recommended Solutions** – None.
5. **Key Personnel Changes** – None.
6. **Target and Actual Completion Dates** – This project has not deviated from the project schedule.